

**SECRET**

OXC 4845

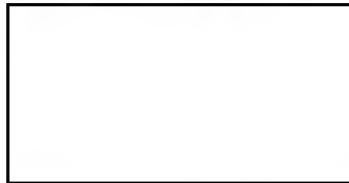
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27 APR 1963

MEMORANDUM FOR: Deputy for Technology

SUBJECT: INS Meeting

1. On 17 April 1963 the following individuals met to discuss the INS system:



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The purpose of the meeting was twofold; first, to obtain a better general understanding of the INS system from an operational planning aspect and, secondly, to discuss specifically the system's limitation of eight fix positions.

2. After a brief review of ZI training routes, flight plans, and resulting fix or turning points, it became obvious to all that more than eight fix/turn positions will be required on a mission of nine hours. The present system's limitation will then require the pilot to manually insert each succeeding fix/turn point as he progresses. This is not acceptable from an operations viewpoint.

3. After a discussion of this problem, the INS representatives agreed that a relatively simple solution was available with only a minor change in hardware. Basically the solution involves a rewrite of the data program for the digital computer. Additional computer capability can be made available to increase the system fix/turn capability by a rewrite of the computer program.

4. It is requested that action be initiated to increase the capability of the INS system to allow a minimum of sixteen fix/turn points.



Lt. Colonel USAF  
Deputy for Field Activities, OSA

cc: C/CD/OSA

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